

>NM_170776 ACCESSION:NM_170776 NID: gi 25092692 ref NM_170776.1
Homo sapiens similar to G protein-coupled receptor 56;
EGF-TM7-like (GPR-97), mRNA
Length = 1650

Score = 1122 bits (2870), Expect = 0.0
Identities = 548/549 (99%), Positives = 548/549 (99%)
Frame = +1

Query: 1 MATPRGLGALLLLLLPTSGQEKPTEGPRNTCLGSNNMYDIFNLNDKALCFTKCRQSGSD 60
MATPRGL ALLLLLLLPTSGQEKPTEGPRNTCLGSNNMYDIFNLNDKALCFTKCRQSGSD
Sbjct: 1 MATPRGLWALLLLLLPTSGQEKPTEGPRNTCLGSNNMYDIFNLNDKALCFTKCRQSGSD 180

Query: 61 SCNVENLQRYWLNYEAHLMKEGLTQKVNTPFLKALVQNLSTNTAEDFYFSLEPSQVPRQV 120
SCNVENLQRYWLNYEAHLMKEGLTQKVNTPFLKALVQNLSTNTAEDFYFSLEPSQVPRQV
Sbjct: 181 SCNVENLQRYWLNYEAHLMKEGLTQKVNTPFLKALVQNLSTNTAEDFYFSLEPSQVPRQV 360

Query: 121 MKDEDKPPDRVRLPKSLFRSLPGNRSVVRLAVTILDIGPGTLFKGPRLGLGDGSGVLNRR 180
MKDEDKPPDRVRLPKSLFRSLPGNRSVVRLAVTILDIGPGTLFKGPRLGLGDGSGVLNRR
Sbjct: 361 MKDEDKPPDRVRLPKSLFRSLPGNRSVVRLAVTILDIGPGTLFKGPRLGLGDGSGVLNRR 540

Query: 181 LVGLSVGQMHVTKLAEPLEIVFSHQRPNNMTLTCVFWDVTKGTTGDWSSEGCSTEVRPE 240
LVGLSVGQMHVTKLAEPLEIVFSHQRPNNMTLTCVFWDVTKGTTGDWSSEGCSTEVRPE
Sbjct: 541 LVGLSVGQMHVTKLAEPLEIVFSHQRPNNMTLTCVFWDVTKGTTGDWSSEGCSTEVRPE 720

Query: 241 GTVCCCDHLLTFALLRPTLDQSTVHILTRISQAGCGVSMIFLAFTIILYAFRLRSRERF 300
GTVCCCDHLLTFALLRPTLDQSTVHILTRISQAGCGVSMIFLAFTIILYAFRLRSRERF
Sbjct: 721 GTVCCCDHLLTFALLRPTLDQSTVHILTRISQAGCGVSMIFLAFTIILYAFRLRSRERF 900

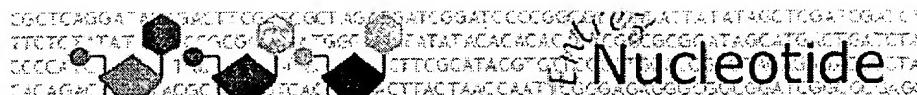
Query: 301 KSEDAPKIHVALGGSLFLLNLAFLVNVGSGSKGSDAACWARGAVHYFLLCAFTWMGLEA 360
KSEDAPKIHVALGGSLFLLNLAFLVNVGSGSKGSDAACWARGAVHYFLLCAFTWMGLEA
Sbjct: 901 KSEDAPKIHVALGGSLFLLNLAFLVNVGSGSKGSDAACWARGAVHYFLLCAFTWMGLEA 1080

Query: 361 FHLYLLAVRVFNTYFGHYFLKLSLVGWLPAKMVGTSANSYGLYTIRDRENRTSLELC 420
FHLYLLAVRVFNTYFGHYFLKLSLVGWLPAKMVGTSANSYGLYTIRDRENRTSLELC
Sbjct: 1081 FHLYLLAVRVFNTYFGHYFLKLSLVGWLPAKMVGTSANSYGLYTIRDRENRTSLELC 1260

Query: 421 WFREGTTMYALYITVHGYFLITFLFGMVVLALVWKIFTLSRATAVKERGKNRKVLTL 480
WFREGTTMYALYITVHGYFLITFLFGMVVLALVWKIFTLSRATAVKERGKNRKVLTL
Sbjct: 1261 WFREGTTMYALYITVHGYFLITFLFGMVVLALVWKIFTLSRATAVKERGKNRKVLTL 1440

Query: 481 GLSSLVGVWTGLAIFTPLGLSTVYIFALFNSLQGVFICCWFTILYLPSQSTTVSSSTARL 540
GLSSLVGVWTGLAIFTPLGLSTVYIFALFNSLQGVFICCWFTILYLPSQSTTVSSSTARL
Sbjct: 1441 GLSSLVGVWTGLAIFTPLGLSTVYIFALFNSLQGVFICCWFTILYLPSQSTTVSSSTARL 1620

Query: 541 DQAHSASQE 549
DQAHSASQE
Sbjct: 1621 DQAHSASQE 1647



Nucleotide

PubMed

Nucleotide

Protein

Genome

Structure

PMC

Taxonomy

OMIM

Book

Search **Nucleotide**

for

Go**Clear**

Limits

Preview/Index

History

Clipboard

Details

Display

default

Show: 20

Send to

File

Get Subsequence

1: NM_170776. Homo sapiens G pr...[gi:31377549]

Links

LOCUS NM_170776 2184 bp mRNA linear PRI 04-JUN-2003
 DEFINITION Homo sapiens G protein-coupled receptor 97 (GPR-97), mRNA.
 ACCESSION NM_170776
 VERSION NM_170776.2 GI:31377549
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 2184)
 AUTHORS Fredriksson,R., Lagerstrom,M.C., Hoglund,P.J. and Schioth,H.B.
 TITLE Novel human G protein-coupled receptors with long N-terminals
 containing GPS domains and Ser/Thr-rich regions
 JOURNAL FEBS Lett. 531 (3), 407-414 (2002)
 MEDLINE 22323027
 PUBMED 12435584
 REFERENCE 2 (bases 1 to 2184)
 AUTHORS Kuznicki,J., Kuznicki,L. and Drabikowski,W.
 TITLE Ca²⁺-binding modulator protein in protozoa and myxomycete
 JOURNAL Cell Biol. Int. Rep. 3 (1), 17-23 (1979)
 MEDLINE 79211378
 PUBMED 222487
 REFERENCE 3
 AUTHORS Okaze,H., Hayashi,A., Kozuma,S. and Saito,T.
 TITLE a member of g-protein coupled receptor family
 JOURNAL Published Only in Database (2003)
 COMMENT PROVISIONAL REFSEQ: This record has not yet been subject to final
 NCBI review. The reference sequence was derived from AB049169.1.
 On Jun 4, 2003 this sequence version replaced gi:25092692.
 FEATURES Location/Qualifiers
 source 1..2184
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /chromosome="16"
 /map="16q13"
 gene 1..2184
 /gene="GPR-97"
 /db_xref="LocusID:222487"
 CDS 47..1696
 /gene="GPR-97"
 /note="EGF-TM7-like"
 /codon_start=1
 /product="G protein-coupled receptor 97"
 /protein_id="NP_740746.2"
 /db_xref="GI:31377550"
 /db_xref="LocusID:222487"

/translation="MATPRGLGALLLLLLPTSGQEKPTEGPRNTCLGSNNMYDIFNLDKALCFTKCRQSGSDSCNVENLQRYWLNYEAHLMKEGLTQVNTPFLKALVQNLSTNTAEDFYFSLEPSQVPRQVMKDEDKPPDRVRLPKSLFRSLPGNRSVVRALVTILDIGPGTLFKGPRGLGDGSVLNRLVGLSVGQMHVTKLAEPLEIVFSHQRPPNMTLTCVFWDVTKGTTGDWSSEGCSTEVRPEGTVCCCDHLTFFALLRPTLDQSTVHLTRISQAGCGVSMIFLAFTIILYAFRLRSRERFKSEDAPKIHALGGSLFLLNLAFLNVGSGSKGSDAACWARGAVFHFLCAFTWMGLEAFHYLLAURVFNTYFGHYFLKLSQLVGWGLPALMViGTGSANSYGLYTIRDRENRTSLELCWFREGTTMYALYITVHGYFLITFLFGMVVIALVVWKIFTLSRATAVKERGKNRKKVLTLLGLSSLVGVTWGLAIFTPLGLSTVYIFALFNSLQGVFICCWFTILYLPQSSTTVSSSTARLDQAHASASQE"

misc_feature

680..814

/gene="GPR-97"
/note="GPS; Region: Latrophilin/CL-1-like GPS domain.
Domain present in latrophilin/CL-1, sea urchin REJ and
polycystin"

misc_feature

839..1618

```
/gene="GPR-97"
/note="7tm_2; Region: 7 transmembrane receptor (Secretin
family)"
```

/db_xref="CDD:pfam00002"

BASE COUNT /an_xier- CDB:pram0002
ORIGIN 413 a 672 c 597 g 502 t

1 ggccagacag ccacagagct cctggcgtgg gcaaggctgg .ccaaggatgg cgacgcccc
61 gggcctgggg gccctgctcc tgctcctct gctcccgacc tcaggtcagg aaaagcccc
121 cgaagggccca agaaacacct gcctggggag caacaacatg tacgacatct tcaacttgaa
181 tgacaaggct ttgtgcttca ccaagtgcag gcagtcggc agcgactctt gcaatgtgga
241 aaacttgcag agatactggc taaactacga gcccacatcg atgaaggaag gttgacgc
301 gaaggtgaac acgccttcc tgaaggctt ggtccagaac ctcagcacca acactgcaga
361 agacttctat ttctctctgg agccctctca gttcccgagg caggtatgaa aggacgagga
421 caagccccct gacagagtgc gacttccaa gaggctttt cgatccctgc caggcaacag
481 gtctgtggc cgcttggccg tcaccattct ggacatttgtt ccagggactc tcttcaaggg
541 ccccccggctc ggcctggggag atggcagcgg cgtgttgaac aatcgccctgg tgggtttag
601 tgtgggacaaa atgcatgtca ccaagctggc tgagcctctg gagatcgctc tcttcacca
661 gcgaccgccc cctaacaatga ccctcacctg tgtattctgg gatgtgacta aagggaccac
721 tggagactgg tcttctgagg gctgctccac ggaggtcaga cctgagggga ccgtgtgctg
781 ctgtgaccac ctgacctttt tcgcccgtc cctgagaccc accttggacc agtccacgg
841 gcatatcctc acacgcacatc cccaggcggg ctgtggggtc tccatgatct tcctggcct
901 caccattatt ctttatgcct ttctgaggct ttcccgaggag aggttcaagt cagaagatgc
961 cccaaagatc cacgtggccc tgggtggcag cctgttccctc ctgaatctgg cttcttggt
1021 caatgtgggg agtggctcaa aggggtctga tgctgcctgc tgggccccggg gggctgtctt
1081 ccactacttc ctgctctgtc cttcacctg gatggccctt gaagccttcc acctctaccc
1141 gctcgctgtc agggctttca acacctactt cgggactac ttctgtgaagc tgagcctgg
1201 gggctggggc ctgcccggcc tcatgggtcat cggcactggg agtgcacaaca gctacggcct
1261 ctacaccatc cgtgataggg agaaccgcac ctctctggag ctatgtgtt ccgtgaagg
1321 gacaaccatg tacgcctct atatcaccgt ccacggctac ttctcatca cttcccttcc
1381 tggcatgggt gtcctggccc tgggtggctc gaagatctt accctgtccc gtgtacagc
1441 ggtcaaggag cggggaaaga accggaaagaa ggtgctcacc ctgctggggc tctcgagct
1501 ggtgggtgt acatgggggt tggccatctt caccgggtt ggcctctcca cggctacat
1561 cttgcactt ttcaactctt tgcaagggtt cttcatctgc tgctgggtca ccattccctta
1621 cctcccaagt cagagccacca cagtctccctc ctctactgca agattggacc agggccactc
1681 cgcacatctcaa gaataggaag gcacggccct gcaatatggc ctcagctctg gctctgtg
1741 tgaccttggg cagctccgtc cttctctctg tactccctca gtttcttct ctgtacaatg
1801 tggctggggg gggagaggat gggaccaggat tggaccacgt ggcacatcagag gtcccatcca
1861 gatccaaacta taggttcaag agtccacgta agcaggttt gcaaggctcta aagttcttat
1921 agtcctgaga ccccccgtcca gcaaagatg acagtcaccc ccatggccctg ccctcattgc
1981 aaaggccctca ctcacccctt ggtctcagca agggaggaga gtctgttgc ggcacatggcc
2041 tggaaaggaggc ccccaacccctc tcccttcctc ctcctgtca ctggccctcc acaactcccc
2101 ttctggctgc ctgtaacctt gagggggcatt caggaggcca gcttccctc aggactggg
2161 ggtttgtttt ggggggtggg agtt

//

[Disclaimer](#) | [Write to the Help Desk](#)
[NCBI](#) | [NLM](#) | [NIH](#)

Jul 8 2003 12:22:35